PARTNERSHIPS

SPAWAR SYSTEMS CENTER

ACTIVITIES INVOLVED
Naval Air Station (NAS) North Island NELP
Space and Naval Warfare (SPAWAR) Systems Center San Diego

STATUS
Active

MISSION
Support the Navy with research, development, testing, and evaluation of environmental technologies through demonstration and evaluation efforts

PARTNERSHIP DESCRIPTION
The Environmental Sciences Division (ESD) of SPAWAR Systems Center is a leader in marine environmental quality assessment, environmental data management, sensor development, and remediation. ESD draws on its in-house expertise and partnerships with industry, academia, and government to support the Navy with research, development, testing, and evaluation of environmental technology.

NELP is partnering with SPAWAR Systems Center to demonstrate new and innovative technologies. Joint projects include demonstration of the Benthic Flux Sampling Device (BFSD), the Site Characterization and Analysis Penetrometer System (SCAPS), and assessment of groundwater discharge from Site 9 to San Diego Bay using SPAWAR Systems Center-developed seepage meters and pore water sampling devices.

BENEFITS
- Avoids duplication of effort
- Facilitates exchange of expertise and technical knowledge
- Facilitates communication and cooperation among government agencies
- Combines financial and intellectual resources

ACCOMPLISHMENTS

Date	Activity
AUG 1993	SCAPS, equipped with a laser-induced fluorescence (LIF) petroleum detection system, demonstrated at NAS North Island fuel farm
JUL 1997	SCAPS surface enhanced RAMAN sensor demonstrated at NAS North Island fuel farm
APR 1998	Area of discharge of chlorinated solvent defined in San Diego Bay

CURRENT STATUS/FUTURE PLANS

Date	Activity
Ongoing	Continue dialogue to identify future opportunities for technology demonstrations at NELP sites

COLLABORATION/TECHNOLOGY TRANSFER

In 1995, SCAPS was exported successfully through the Naval Facilities Engineering Services Center (NFESC). SPAWAR Systems Center and NELP collaborated to demonstrate *in situ* pore water sampling and seepage assessment techniques to the California Department of Toxic Substances Control (DTSC) and the Regional Water Quality Control Board (RWQCB).

BIBLIOGRAPHY

- SPAWAR Systems Center Environmental Sciences Division Web Page

RELATED GOVERNMENT INTERNET SITES

SPAWAR Systems Center Environmental Sciences Division Web Page

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